



North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

May 7, 2009

Mr. Joe Cherry
Lee County Public Works Department
805 S Fifth Street
Sanford, NC 27330

Re: Methane Monitoring
Lee County Landfill
Permit #53-01

Dear Mr. Cherry:

The Solid Waste Section has reviewed the *April 27, 2009 Methane Monitoring Status Report* submitted on behalf of Lee County by Terraquest Environmental Consultants, PC (Terraquest) for the Lee County Landfill (closed unlined MSW and C&D). On June 16, 2008, passive vent wells M36 and M37 were installed, and methane wells M8, M28, and M29 were converted into passive venting wells. In addition, methane well M38 was installed approximately 100 feet from the passive venting well M29. Methane monitoring includes collection of LEL as methane, oxygen, hydrogen sulfide, and carbon monoxide readings from each well and then measuring the presence of groundwater in each well to determine the screen interval open to the investigated area. Bi-monthly and then approved monthly methane monitoring of the documented LEL violation wells indicates the passive venting wells appear to be effective in alleviating the landfill gases.

Terraquest is therefore requesting quarterly methane monitoring of all methane and passive venting wells. Quarterly methane monitoring would begin July 2009. As a result, the request is approved as described. If you have any questions or concerns regarding this letter, please contact me at 919-508-8500. Thank you for your continued cooperation with this matter.

Sincerely,

Jaclynne Drummond
Hydrogeologist
Environmental Compliance
Solid Waste Section

cc: Ryan Kerins, Terraquest
Mark Poindexter, Field Operations Supervisor
Jason Watkins, Central District Supervisor
Brad Bailey, Environmental Senior Specialist
Solid Waste Section Central Files